

U.S. DEPARTMENT OF ENERGY'S KANSAS CITY PLANT
KANSAS CITY, MISSOURI

Operated under contract by Honeywell Federal Manufacturing & Technologies, the U.S. **Department of Energy's [DOE's] Kansas City plant** manufactures non-nuclear electrical and mechanical components for national defense. The plant is ISO 14001-certified. Since 1988, the plant has reduced TRI emissions by 99.33%. The plant's wastewater pretreatment facility won the 1997 Global Industrial Pretreatment Award from the Water Environment Federation. The plant is certified to ISO 14001.

ENVIRONMENTAL PERFORMANCE

AT A GLANCE

Industry Sector:	Public Facilities
Business:	Manufactures electrical and mechanical components
Facility Employees:	More than 1,000
Accomplishments:	Reduced criteria air emissions Reduced hazardous waste
2003 Commitments:	Reduce toxic discharges to water Reduce water use Reduce energy use Reduce emissions of NO _x
Address:	2000 E. 95 th Street Kansas City, MO 64141-0202

Past Accomplishments

The DOE Kansas City has demonstrated its commitment to environmental performance in the areas of air emissions reduction and hazardous solid waste reduction. Between 1996 and 1999, the facility:

- **Reduced criteria air emissions** (NO_x, SO_x, VOC, PM₁₀, CO) by 17% percent through the use of low-sulfur fuel in boilers, and through switching to low-VOC paints, cleaners, and solvents.
- **Reduced hazardous solid waste** by 41% through various measures to reduce wastewater treatment sludge and through using aqueous cleaning solutions for electronic, replacing hazardous materials used in foam manufacturing, and working with generators to reduce/eliminate hazardous materials use.

Future Commitments

The DOE Kansas City facility also committed to continued environmental improvement through reducing toxic discharges to water, water use, energy use, and emissions of NO_x. By 2003, the facility will:

- **Reduce toxic discharges to water (chlorine)** by more than 95% by switching to a closed-loop chilled water system, thus reducing residual chlorine discharge from single-pass potable cooling water.
- **Reduce water use** by 20,000 gallons per day through reusing treated wastewater for cooling tower makeup water, reducing the amount of wastewater discharged to the local sewer.
- **Reduce energy use** by improving operational efficiencies, such as shutting down equipment when not in use and using a direct digital control system to control environmental conditions.
- **Further reduce emissions of nitrogen oxides (NO_x)** by 15% through replacing four boilers with low NO_x boilers.

COMMUNITY OUTREACH

The DOE Kansas City facility reaches out to the local community through a quarterly newsletter, called *Focus on the Environment*, which is sent to plant neighbors and community leaders. The newsletter includes a biannual survey that can be completed and returned to the plant. Another newsletter, *Quest*, focusing on environmental health and safety issues, is sent out to retirees and community leaders. The facility also conducts plant tours and issues press releases regarding positive issues and areas of concern to the community. In addition, the facility maintains a reading room at a local library. It will make its Performance Track Annual Performance Report available in its newsletters.